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Boston. School committee.

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BOSTON PUBLIC SCHOOLS
**COURSE OF STUDY FOR
GENERAL HIGH SCHOOLS**



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COURSE OF STUDY
FOR THE
GENERAL HIGH SCHOOLS

[Revised and Corrected to September, 1911.]

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GENERAL HIGH SCHOOLS.

BRIGHTON HIGH SCHOOL, Cambridge and Warren streets.

Admits boys and girls residing in Allston and Brighton.

CHARLESTOWN HIGH SCHOOL, Monument square.

Admits boys and girls residing in Charlestown and in the North and West Ends.

DORCHESTER HIGH SCHOOL, Talbot avenue and Washington street.

Admits boys and girls residing in all the Dorchester elementary school districts except the William E. Russell.

EAST BOSTON HIGH SCHOOL, Marion street, between Princeton and Saratoga streets.

Admits boys and girls residing in East Boston.

ENGLISH HIGH SCHOOL, Montgomery street, South End.

Admits boys residing in the city proper, in Roxbury, in part of Dorchester, and others in the order of application up to the capacity of the school.

GIRLS' HIGH SCHOOL, West Newton street, between Tremont street and Shawmut avenue.

Admits girls residing in the city proper, and others in the order of application up to the capacity of the school.

ROXBURY HIGH SCHOOL, Warren and Montrose streets.

Admits girls residing in Roxbury.

SOUTH BOSTON HIGH SCHOOL, Thomas park, G street.

Admits boys and girls residing in South Boston and in the William E. Russell district in Dorchester.

WEST ROXBURY HIGH SCHOOL, Elm street, opposite Greenough avenue, Jamaica Plain.

Admits boys and girls residing in Jamaica Plain, in Roslindale, and in West Roxbury.

INTRODUCTION.

1. Pupils are admitted to the high schools by action of the Board of Superintendents as follows:

(a) Graduates of the Boston elementary schools are admitted in the order of their application to the high school of the district in which they reside. (See page 6.)

(b) Graduates of private schools whose standards are satisfactory to the Board of Superintendents may be admitted on presentation of certificates signed by the proper authorities.

(c) Other candidates are admitted on examination equivalent to that required for graduation from the elementary schools of Boston. These examinations are held on the second Friday and the preceding Thursday in June, and on the second Wednesday and following Thursday in September.

(d) Candidates for admission from other secondary schools should apply to the head-master of the school they wish to attend, and should be recommended by him to the Board of Superintendents for admission. On the presentation of satisfactory evidence, the head-master will determine the number of points for which advanced standing may be given and will issue certificates therefor.

2. The high schools are in session five hours a day for five days in the week. The sessions may be extended, not exceeding two hours, provided no pupils are thereby required to attend school more than six hours daily.

3. Of the five hours a day, a quarter of an hour is given to opening exercises and half an hour to recess. The rest of the time is divided into five or six periods of not less than forty minutes each.

4. Two periods weekly are required to be given to physical training, and one period a week for a part of each year, or one period a week for one full year, to hygiene, including the special instruction required by law.

5. Eighteen periods, in addition to those specified above, are given to prescribed or elective studies during each of the four years. The remaining periods are called study periods.

6. A pupil may be permitted, at any time during the school year, for reasons satisfactory to the parent or guardian or to the head-master, to take less than the regular amount of work, and this reduction may be required by the head-master in case of unsatisfactory work in more than one subject.

7. A pupil of good health and ability may, for good reasons, be permitted to take more than the regular amount of work. All assignments of work exceeding twenty-four points must be recommended by the head-master and approved by the Superintendent before being entered upon.

8. A change from one elective study to another is not regularly permitted after the end of September, except when such a change is made necessary by the discontinuance of a class.

9. Pupils who intend to enter the Boston Normal School make their choice of elective studies in accordance with the requirements for admission to that school. (See page 15.) Pupils desiring to prepare for college or other higher institution of learning are advised as to their choice of studies by the head-master and teachers of their respective schools.

10. At the end of any year, pupils not receiving diplomas may receive certificates of proficiency for those studies in which their year's record has been satisfactory. These certificates show the number of points credited towards a diploma.

11. Diplomas are granted for quantity and quality of work, represented as follows:

(a) The amount of work represented by one period a week for one year in any study counts as one point toward winning a diploma. Two periods of unprepared recitations or laboratory work are considered equivalent to one period of prepared work.

(b) The points assigned to each study are all won or all lost on the whole year's record of recitations and examinations in that study, except that not to exceed two points may be assigned to the subject of type-writing alone. The standard used for determining whether this record be satisfactory or otherwise is such as has been approved by the Board of Superintendents.

(c) A full year's work consists of twenty points.

(d) A diploma is awarded to pupils who have won eighty points, which usually requires four years' attendance. The points offered for a diploma must include

(1) Eight points in physical training.

(2) One point in hygiene.

(3) At least twelve points in English.

(4) At least seven points in the same foreign language, *or* in phonography and typewriting.

(5) At least four points in mathematics *or* in bookkeeping.

(6) At least three points in history.

(7) At least three points in science.

MORAL TRAINING.

A part of the time assigned to the opening exercises is used in giving instruction in morals and manners. Teachers will, at all times, "exert their best endeavors to impress on the minds of children and youth committed to their care and instruction, the principles of piety and justice, and a sacred regard for truth; love of their country, humanity, and universal benevolence; sobriety, industry and frugality; chastity, moderation and temperance; and those other virtues which are the ornament of human society, and the basis upon which a republican constitution is founded."—Extract from the Revised Laws of Massachusetts.

Further by statute it is required that teachers give proper instruction to their pupils in the subject of thrift.

PHYSICAL TRAINING.

Physical training is regularly given at school; and no class or pupil is allowed, without good reason, to omit these physical exercises. Moreover, teachers will guard the health of their pupils, or, better, will instruct them how to observe the laws of life and health. Sound advice with regard to diet, ventilation, exercise, rest, dress and regular hours will be given; and the requirements of the following law of this state will be observed: "Physiology and Hygiene, which, in both divisions of the subject, shall include special instruction as to the effects of alcoholic drinks, stimulants and narcotics on the human system, shall be taught as a regular branch of study to all pupils in all schools supported wholly or in part by public money, except special schools maintained solely for instruction in particular branches."

PROGRAM OF STUDIES.

The studies of the course are arranged in four lists, corresponding to the four years a pupil is supposed to spend in school.

Roman numerals appended to the name of a study indicate the successive years of work in that study. In general, no pupil is allowed to take any subject for which his previous studies have not prepared him.

The number of periods a week and diploma points assigned to prescribed studies is indicated in each case.

Except when otherwise stated, the number of periods a week and diploma points assigned to each elective study is three, four, or five, as determined by the head-masters, each for his own school, with the approval of the Board of Superintendents.

Programs of study made up by the head-masters and showing the number of periods a week and points assigned to each study must be approved each year by the Board of Superintendents before being put into effect.

No class in the first year of a foreign language shall be organized with less than twenty (20) pupils.

Each head-master may, with the approval of the Board of Superintendents, begin classes in any subject on or before the first day in February of any year, and continue the same until the end of the school year. Pupils satisfactorily completing such partial courses shall be assigned such a number of diploma points as the Board of Superintendents may determine.

FIRST YEAR.

Prescribed Studies.

Physical Training. (Two points.)

Hygiene. (One point.)

English I. (Four or five points.) English and American authors, grammar, composition, reading, speaking, and debating.

One of the following. (Four or five points.)

(a) Algebra I., including quadratic equations, *or*

(b) Bookkeeping I., including commercial arithmetic, penmanship, and commercial forms, *or*

(c) A foreign language (Latin I., French I., or German I.).

Elective Studies.

History I.

Spanish I.

Biology I. Botany and Zoölogy, or either.

Introductory Science. (Three points only.)

Manual Training I.
 Drawing I.
 Choral Practice. (One point only.)
 Music I. (Two points only.) Harmony.

Any subject in the prescribed list in any year may be chosen as an elective in that year.

SECOND YEAR.

Prescribed Studies.

Physical Training. (Two points.)
 Hygiene. (See Introduction 4.)
 English II. (Four or five points.) Continuation of English I.

Elective Studies.

History II.
 Mathematics II.
 (a) Algebra II., or
 (b) Algebra and plane geometry, or
 (c) Plane geometry.
 Greek I.
 Latin II.
 French II.
 German II.
 Spanish II.
 Biology II. Botany and Zoölogy, or either.
 Physics I.
 Manual Training II.
 Drawing II.
 Choral Practice. (One point only.)
 Music II. (Two points only.) Elementary harmonic analysis, form.
 Bookkeeping II.
 Phonography and Typewriting I.
 Commercial Geography.
 Civil Government.

Any study in the first year's list not already taken or successfully completed may, with the consent of the head-master, be taken this year.

THIRD YEAR.

Prescribed Studies.

Physical Training. (Two points.)
 Hygiene. (See Introduction, 4.)
 English III. (Three, four, or five points.)

Elective Studies.

History III.
 Mathematics III.
 (a) Algebra and Geometry, or
 (b) Solid Geometry.

Greek II.
Latin III.
French III.
German III.
Spanish III.
Physiology.
Physics II.
Chemistry I.
Household Science and Arts.
Manual Training III. (Application of drawing and manual training to industry.)
Drawing III.
Choral Practice. (One point only.)
Music III. (Two points only.) Advanced harmonic analysis, counter-point, form.
Bookkeeping III.
Phonography and Typewriting II.
Commercial Law.
History of Commerce and Industry.
Any study in the earlier lists not already taken or successfully completed may, with the consent of the head-master, be taken this year.

FOURTH YEAR.

Prescribed Study.

Physical Training. (Two points.)

Elective Studies.

English IV. Literature, composition, rhetoric, history and formation of the English language, Chaucer.
History IV.
Mathematics IV. Algebra and Trigonometry.
Greek III.
Latin IV.
French IV.
German IV.
Chemistry II.
Physical Geography.
Manual Training IV. Application of drawing and manual training to industry.
Phonography and Typewriting III.
Drawing IV.
Economics.
Civil Service.
Choral Practice. (One point only.)

Any study in the earlier lists not already taken or successfully completed may, with the consent of the head-master, be taken this year.

ROXBURY HIGH SCHOOL.

The following assignment of subjects and points is authorized for Intensified Commercial Courses in the Roxbury High School.

PHONOGRAPHY.

First Year.

SUBJECT.	Periods.	Points.
English I.	10	10
Phonography I.	8	10
Typewriting I.	6	
Physical Training I.	2	2
Office Hour.	1	
Study, special rooms.	3	
	30	22

Second Year.

SUBJECT.	Periods.	Points.
English II.	7	7
Phonography II.	8	8
Typewriting II.	4	
Commercial Arithmetic.	3	3
Mercantile Law.	3	3
Physical Training II.	2	2
Hygiene.	1	1
Office Hour.	1	
Study, special rooms.	1	
	30	24

BOOKKEEPING.

First Year.

SUBJECT.	Periods.	Points.
English I.	10	10
Bookkeeping I.	4	4
Commercial Arithmetic.	4	4
Penmanship.	4	2
Physical Training I.	2	2
Office Hour.	1	
Study.	5	
	30	22

Second Year.

SUBJECT.	Periods.	Points.
English II.	7	7
Bookkeeping II.	8	7
Commercial Arithmetic II.	4	4
Mercantile Law.	3	3
Physical Training II.	2	2
Hygiene.	1	1
Office Hour.	1	
Study.	4	
	30	24

NORMAL SCHOOL PREPARATORY COURSE FOR HIGH
SCHOOL PUPILS.

First Year.

SUBJECT.	Points
English I.	5
Latin I., or German I., or French I.	4
Mathematics I. (Algebra)	4
History I. (Ancient or English)	3
Drawing I.	3
Physical Training I.	2
	21

Second Year.

SUBJECT.	Points.
English II.	4
Latin II., or German II., or French II.	4
Mathematics II. (Geometry)	4
Hygiene.	1
History II. (Mediæval or Mediæval and Modern European)	3
Drawing II.	3
Physical Training II.	2
	21

Third Year.

SUBJECT.	Points.
English III.....	3
Latin I., or III., or German I. or III., or French I. or III.	4
Mathematics III. (Arithmetic, half-year, Algebra and Geometry half-year).....	5
Music I.....	2
Physics.....	4
Physical Training III.....	2
	20

Fourth Year.

SUBJECT.	Points.
English IV.....	3
Latin II. or IV., or German II. or IV., or French II. or IV.....	4
Music II.....	2
United States History under the Constitution.....	3
Chemistry.....	4
Physical Training IV.....	2
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NOTE.—The four years of foreign language study required may be devoted to a single language, but must not include more than two languages.

Time is left in the fourth year to make up a failure or to add an additional study.

SYLLABUS OF DRAWING FOR THE NORMAL SCHOOL
PREPARATORY COURSE.

First Year.—Representation.

NATURE DRAWING.

- I. Representation of leaves, flowers and stems in foreshortened positions, with the lead pencil, in outline.
- II. Detail drawings of structure in pencil outline.
- III. Drawing plant sprays having large leaves, *e. g.*, milkweed, in accented pencil outline.

NOTE.—Give considerable attention to careful observation and representation of form. Have the pupils make rapid sketches, at the blackboard or on large sheets of paper fastened on the wall, of typical leaf and plant forms from the object and memory.

MODEL AND OBJECT DRAWING.

- I. Drawing type solids: cylinder, circular plinth, cone, cube, square prism, square plinth, pyramid.
 - (a) Foreshortened circular surfaces.
 - (b) Relation of axes.
 - (c) Foreshortened rectilinear surfaces.

Freehand sketching of type solids from the object, memory and dictation, with the following ends in view:

- (a) As an aid to free expression.
- (b) To give a basis for representing all approximate forms.
- (c) Development of power to visualize form.

NOTE.—Have the pupils occasionally make rapid sketches, at the blackboard or on large sheets of paper fastened on the wall, of type forms from memory and dictation.

- II. Drawing of approximate forms for the purpose of developing appreciation of beautiful form and color in things made.
 - (a) *Form*.—Drawing of vases and similar objects for proportion and contour, outline, mass (silhouette).
Single objects — groups.
 - (b) *Color*.—Matching color values of objects and filling in outline drawings of same with flat tones, pencil, crayon, brush (monochrome).

CONSTRUCTIVE DRAWING.

Freehand working drawings of type solids and approximate forms from the object and memory.

DESIGN. COLOR.

Design.

Exercises in pure design illustrating rhythm, balance, harmony. *Motifs:* lines, spots, trees and animal forms.

NOTE.—Place due emphasis upon measure rhythm and measure harmony.

1. Application of design to one of the problems considered in printing.
 2. A border for a mat or similar object where the design may be applied.
- Use one of the suggested schemes of color.

Color.

Teach the spectrum, modification of color, value, hue, intensity. Consider harmony through use of neutrals, black, white and gray,—one color with a neutral, and tones of one color.

Aim to develop the color sense through considerable matching of natural and artificial objects.

Medium.

Pastel crayons and water colors.

Printing.

Practice freehand printing, using upper and lower case letters without spurs and seraphs.

Exercises.

Application of printing to a design for a book cover, menu card, announcement or program. Observe principles of rhythm, balance and harmony, and use one of the suggested schemes of color.

Consider good and bad examples of printing in posters, pamphlet covers, business announcements.

HISTORY OF ART.

- Aim.*—(a) Recognition of the styles of architecture in public buildings.
 (b) Appreciation of the masterpieces of painting.
 Illustrations of architecture and painting with descriptive text placed in note books.

Second Year.—Representation.

NATURE DRAWING.

Aim to develop appreciation of the principles of design and color harmony through representation of natural forms.

- I. Represent plant details in foreshortened positions,—pencil and brush.
- II. Match color values in leaves, flowers and stems.
- III. Drawing and painting of plant sprays in tones of gray to match color value of the specimen. *Media:* pencil, crayon and brush.
- IV. Drawing and painting of plant sprays in color. *Media:* Crayons, water colors.

NOTE.—Continue blackboard drawing of plant forms in outline.

MODEL AND OBJECT DRAWING.

Second Year.

- I. Continue drawing type solids until the student can sketch them readily in different positions from the object, memory and dictation. Drawing rectilinear objects—boxes, books, simple furniture.

NOTE.—Occasionally have board work or sketching on large paper fastened on wall.

- II. Drawing of approximate forms for purpose of developing appreciation of beautiful forms and color.
 Outline drawing of single and grouped objects filled in with charcoal, crayons and water colors to represent color values in tones of gray and local color in flat tones.

CONSTRUCTIVE DRAWING.

- I. Freehand working drawing of type solids and approximate forms from the object and memory.
 II. Making working drawings from freehand perspective sketches.
 III. Making freehand perspective sketches from working drawings.

DESIGN — COLOR.

Design.

Exercises in pure design illustrating principles of rhythm, balance, harmony.

Emphasize measure rhythm and measure harmony.

Application of design to mat, curtain, or pillow cover, or other object.

Medium.

Water colors or soft pastel crayons.

Employ analogous and complementary schemes of color in design.

Color.

Review spectrum. Modification of color: Value, hue, intensity, and color schemes considered in first year work. Study analogous and complementary groups of colors in art museum textiles.

Application of analogous and complementary color harmonies to problems in design; costumes, interiors and exteriors of houses and similar exercises.

Printing.

Continue work in printing. Practice the Roman alphabet.

Problems: Application of printing to a poster, school letter head, or similar problem.

Rearrangement of business letter heads and advertising cards for improved spacing and grouping of words. If the color in the subject is inharmonious, seek to improve that also.

HISTORY OF ART.

Aim:

- (a) The recognition of the styles of architecture in public buildings.
 (b) Appreciation of the masterpieces of painting.
 Illustrations of architecture and painting with descriptive text placed in note books.

Encourage visits to the Boston Museum of Fine Arts and home reading on Art History.

SYLLABUS OF MUSIC FOR THE NORMAL SCHOOL
PREPARATORY COURSE.

FIRST YEAR.

The Practical Course should include the following:

- (a) Choral singing.
- (b) Unison singing of classical songs.
- (c) Ear tests.
- (d) Knowledge of phrasing.
- (e) Sight reading.
- (f) Time beating.
- (g) Blackboard writing by the pupils and tests.

The students should be examined individually in (c), (d), (e), (f) and (g).

The Theoretical Course should include the following:

- (a) The position of notes on the treble and bass staves. All the major and minor scales and key signatures.
- (b) The value of notes, tied notes, dotted notes and rests.

SECOND YEAR.

The Practical Course should include the following:

- (a) Choral singing.
- (b) Unison singing of classical songs.
- (c) Ear tests.
- (d) Knowledge of phrasing.
- (e) Sight reading.
- (f) Time beating.
- (g) Blackboard writing by the pupils and tests.

The students should be examined individually in (c), (d), (e), (f) and (g).

The Theoretical Course should include the following:

- (a) Transposition. Intervals and triads.
- (b) Signatures of all simple and compound times. Accent and syncopation. Contents of measures. Transcriptions from one time to another.
- (c) Musical terms in common use.



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